

From: [Sebesta, Lisa](#)
To: [Fuentes, Rene](#)
Subject: RE: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Thursday, August 15, 2013 Update
Date: Friday, August 16, 2013 12:06:59 PM

Renee,

The WBZ was difficult to pinpoint at this location. Gravels from 100 feet to depth were difficult to drill through. The driller had to inject some water into the boring to bring the materials up. Also, the injection of air with this type of drilling tend to dry out the cuttings. These factors made it pretty moist all the way through.

I suspected some minor wbz's (more like stringers) around 180 but the boring didn't really show definitive evidence until around 190.

Hope that answers your question.

Lisa

"Fuentes, Rene" <fuentes.rene@epa.gov> wrote:

*Lisa,
Thank for the update.*

It is not really clear where you encountered water if you were at 190 feet bgs in gravel with no water, and then you got water to stabilize at 167 ft bgs. Can you give me some more detail when you get a chance?

Thanks

Rene

From: Sebesta, Lisa [<mailto:Lisa.Sebesta@arcadis-us.com>]
Sent: Thursday, August 15, 2013 9:58 PM
To: Fuentes, Rene
Cc: Winiecki, Eric; Freeman, Kevin; Mullen, Tom
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Thursday, August 15, 2013 Update

Rene,

Today, Thursday, August 15, 2013, Cascade continued the installation of YVD-05. The boring was advanced from 158 to 208 feet bgs. The general lithology consisted of gravelly sand and sandy gravel to 190 feet and very coarse sand from 190 to 208 feet bgs. The groundwater was allowed to stabilize and static waterlevel was measured at 167 feet bgs. The screen was set from 162 to 182 feet bgs. Sand filter pack was installed to 156 feet bgs. A bentonite chip seal was installed to approximately 80 feet bgs.

Cascade will complete well construction of YVD-05 and expects to begin installation of YVD-06 on Friday, August 15, 2013.

Please let me know if you have any questions.

Thank You,

Lisa Sebesta | Geologist 2 | lisa.sebesta@arcadis-us.com

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From: Sebesta, Lisa
Sent: Wednesday, August 14, 2013 9:06 PM
To: 'Fuentes, Rene'
Cc: 'Winiecki, Eric'; Freeman, Kevin; Mullen, Tom
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Wednesday, August 14, 2013 Update

Rene,

Today, Wednesday, August 14, 2013, Cascade set up on YVD-05, located along Zillah Road, on the Cow Palace property. The boring was advanced to 158 feet bgs. The general lithology consisted of silt to 9 feet bgs, sand/gravelly sand to 110 feet bgs, and gravel/sandy gravel to 158 feet bgs. Evidence of a WBZ was not encountered to depth. Cascade will resume drilling YVD-05 on Thursday Morning.

Please let me know if you have any questions.

Thank you,

Lisa Sebesta | Geologist 2 | lisa.sebesta@arcadis-us.com

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From: Sebesta, Lisa

Sent: Tuesday, August 13, 2013 8:50 PM
To: Fuentes, Rene
Cc: Winiecki, Eric; Freeman, Kevin; Mullen, Tom
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Tuesday, August 13, 2013 Update

Rene,

Today, Tuesday, August, 13, Cascade resumed the installation of YVD-04. Bentonite chips were placed from 200 to 3 feet bgs. The Surface completion consisted of a 2x2 concrete pad, a 3-foot steel riser, and 3 3-foot steel bollards.

Cascade will set up and begin installation of YVD-05 on Wednesday morning.

Please let me know if you have any questions.

Lisa Sebesta | Geologist 2 | lisa.sebesta@arcadis-us.com

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